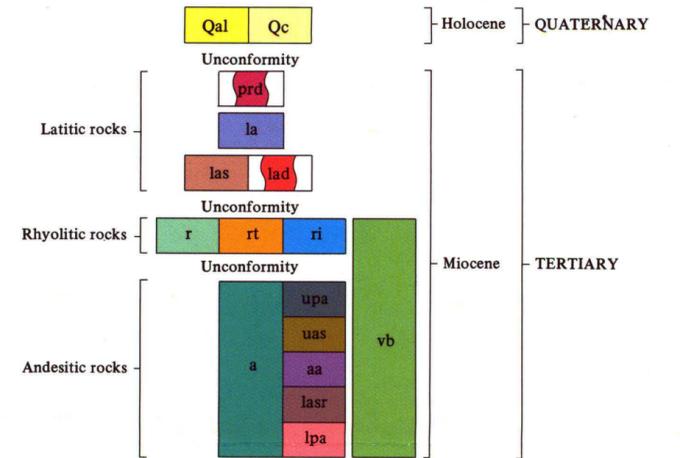


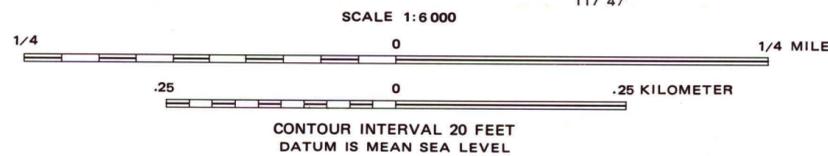
CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

- Qal** ALLUVIUM – Silt, gravel, and locally, boulders
- Qc** COLLUVIUM – Angular debris ranging in size from boulders to gravel
- LATIC ROCKS**
- prd** Porphyritic rhyolite dike – Porphyritic biotite rhyolite dike
- la** Latite – Porphyritic biotite-augite latite lava flows and tuffs
- las** Latitic tuffaceous sedimentary rock – Tuffaceous sedimentary rock with a few thin calcareous shale interbeds. Grades upward into unit la
- lad** Latite dike – Biotite latite dike
- RHYOLITIC ROCKS** – Rhyolite flows, tuffs, and breccias. Locally includes:
- r** Rhyolite tuff – Lithic ash-flow tuff locally reworked by water
- ri** Intrusive rhyolite – Flow-banded rhyolite. Forms elongate ridges; has a thin alteration envelope extending into surrounding rock
- vb** VOLCANIC BRECCIA – Fragments of andesite, rhyolite, and minor amounts of Paleozoic sedimentary rock. Fragments vary greatly in size and relative abundance
- ANDESITIC ROCKS** – Andesite, andesite breccia, and andesitic sedimentary rocks. Locally subdivided into:
- upa** Upper porphyritic andesite – Porphyritic andesite flows
- uas** Upper andesitic sedimentary rock – Fine to coarse andesitic sandstone and conglomerate
- aa** Aphanitic andesite – Andesite characterized by amygdules as much as 5mm in diameter filled by quartz and calcite
- lasr** Lower andesitic sedimentary rock – Fine to coarse andesitic sandstone and conglomerate. Similar to unit uas
- lpa** Lower porphyritic andesite – Porphyritic andesite flows similar in composition to unit upa
- 70** Contact, showing dip – Dashed where approximately located
- 75** Fault, showing dip – Dashed where approximately located; dotted where concealed
- 18** Strike and dip of beds
- 04** Strike and dip of fractures
- 75** Vein, showing dip – Dashed where approximately located; dotted where concealed

Base from U.S. Geological Survey, 1:6000 unedited special map of Silver Peak Range compiled from aerial photographs flown in June 1968



Interior-Geological Survey, Menlo Park, CA.—1977—G76216
Geology by W. J. Keith, 1969-71

GEOLOGIC MAP OF SIXTEEN-TO-ONE CANYON, RED MOUNTAIN MINING DISTRICT, ESMERALDA COUNTY, NEVADA